

Appl. No. 10/029,438  
Amdt. Dated October 28, 2003  
Reply to Office action of June 6, 2003

**Amendments to the CLAIMS:**

Please amend claims 28 to 35. This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims**

Claims 1-19 (canceled).

Claim 20 (previously presented): A fuel additive composition intended to be used at a dose level of from about 20 to about 500ppm by weight in liquid hydrocarbon fuels combusted in internal combustion machines, said composition comprising, in admixture form:

- (a) from about 10 to about 60% by weight of water;
- (b) from about 30 to about 80% by weight of a surfactant selected from the group consisting of:
  - (i) non-ionic
  - (ii) anionic
  - (iii) cationic
  - (iv) amphoteric and
  - (v) combinations of one or more of said (i) through (iv) surfactants;
- (c) from about 0 to about 30% by weight of a co-surfactant selected from the group consisting of:
  - (i) C.sub.1 to C.sub.4 alcohols
  - (ii) C.sub.2 to C.sub.3 glycols
  - (iii) glycol ethers and
  - (iv) combinations of one or more of said (i) through (iii) co-surfactants;
- (d) from about 0 to about 30% by weight of a hydrocarbon solvent.

Claim 21 (previously presented): The fuel additive composition of claim 20 wherein the water comprises from about 20 to about 50% by weight of said composition.

Claim 22 (previously presented): The fuel additive composition of claim 20 wherein the surfactant comprises from about 40 to about 70% by weight of said composition.

Claim 23 (previously presented): The fuel additive composition of claim 20 wherein the co-surfactant comprises from about 10 to about 20% by weight of said composition.

Claim 24 (previously presented): The fuel additive composition of claim 20 wherein the hydrocarbon solvent is kerosene.

Claim 25 (previously presented): The fuel additive composition of claim 20 wherein the surfactant is a combination of amine alkylbenzene sulphonate, POE (20) sorbitan monooleate, tall oil fatty acids, oleyl imidazoline hydrochloride and oleamide diethanolamine.

Claim 26 (previously presented): The fuel additive composition of claim 20 wherein the co-surfactant is a combination of methanol, ethylene glycol n-butyl ether and dipropylene glycol methyl ether.

Claim 27 (previously presented): A liquid fuel composition intended to be combusted in internal combustion machines, said fuel composition comprising:

- (a) from about 999,500 to about 999,980ppm by weight of a commercially available liquid hydrocarbon fuel;
- (b) from about 10 to about 400ppm by weight of a surfactant selected from the group consisting of:
  - (i) non-ionic
  - (ii) anionic
  - (iii) cationic
  - (iv) amphoteric and
  - (v) combinations of one or more of said (i) through (iv) surfactants;
- (c) from about 0 to about 100ppm by weight of a co-surfactant selected from the group consisting of:
  - (i) C.sub.1 to C.sub.4 alcohols
  - (ii) C.sub.2 to C.sub.3 glycols
  - (iii) glycol ethers and
  - (iv) combinations of one or more of said (i) through (iii) co-surfactants;
- (d) from about 0 to about 150ppm by weight of a hydrocarbon solvent;
- (e) from about 5 to about 95ppm by weight of micro-emulsified water, such that the weight ratio of said surfactant to said micro-emulsified water falls within the range of from about 8:1 to about 0.5:1.

Claim 28 (currently amended): The fuel ~~additive~~ composition of claim 27 wherein the commercially available liquid hydrocarbon fuel comprises from about 999,750 to about 999,980ppm by weight of said composition.

Claim 29 (currently amended): The fuel ~~additive~~ composition of claim 27 wherein the commercially available liquid hydrocarbon fuel is selected from the group consisting of gasoline, jet fuel, kerosene and diesel fuel.

Claim 30 (currently amended): The fuel ~~additive~~ composition of claim 27 wherein the surfactant comprises from about 50 to about 150ppm by weight of said composition.

Claim 31 (currently amended): The fuel ~~additive~~ composition of claim 27 wherein the co-surfactant comprises from about 20 to about 40ppm by weight of said composition.

Claim 32 (currently amended): The fuel ~~additive~~ composition of claim 27 wherein the hydrocarbon solvent is kerosene.

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Claim 33 (currently amended): The fuel **additive** composition of claim 27 wherein the micro-emulsified water comprises from about 20 to about 85ppm by weight of said composition, such that the weight ratio of said surfactant to said micro-emulsified water falls within the range of from about 3:1 to about 1:1.

Claim 34 (currently amended): The fuel **additive** composition of claim 27 wherein the surfactant is a combination of amine alkylbenzene sulphonate, POE (20) sorbitan monooleate, tall oil fatty acids, oleyl imidazoline hydrochloride and oleamide diethanolamine.

Claim 35 (currently amended): The fuel **additive** composition of claim 27 wherein the co-surfactant is a combination of methanol, ethylene glycol n-butyl ether and dipropylene glycol methyl ether.